



Environmental Summit II

Civil Works

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SOME BRIEF HISTORY:

- Civil Works emerged in the early 19th Century (i.e. 1824) with...

NAVIGATION IMPROVEMENTS on the MISSISSIPPI and OHIO RIVERS



BRIEF HISTORY: (cont.'d)

- River and Harbor Act of 1890
 - *Initial flood control legislation on the Mississippi River*
- River and Harbor Act of 1899
 - *Regulatory permits*
- Flood Control Act of 1917
 - *Flood control outside the Mississippi River Valley*



BRIEF HISTORY: (cont.'d)

- Flood Control Act of 1936
 - *Established National Flood Control Program*
- National Environmental Policy Act of 1969
 - *Identification of significant environmental resources to be affected, assessment of likely impacts, consideration of a full range of alternatives, and mitigation measures.*
- Principles & Standards - 1973
 - *Set forth two co-equal national objectives, national economic development (NED) and environmental quality (EQ)*

BRIEF HISTORY: (cont.'d)

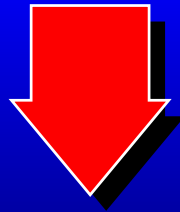
- Clean Water Act of 1977
 - ∞ *Section 404 of the Water Pollution Control Act of 1972 as amended (= Clean Water Act)*
- Principles & Guidelines - 1983
 - *Guidelines instead of Standards to enhance flexibility in project formulation.*

BRIEF HISTORY: (cont.'d)

- Water Resources Development Act of 1986

Established the Ecosystem Restoration Mission

Reestablished and refined by purpose, the Federal interest in water resources development



COST SHARING



OUR CIVIL WORKS POLICY!

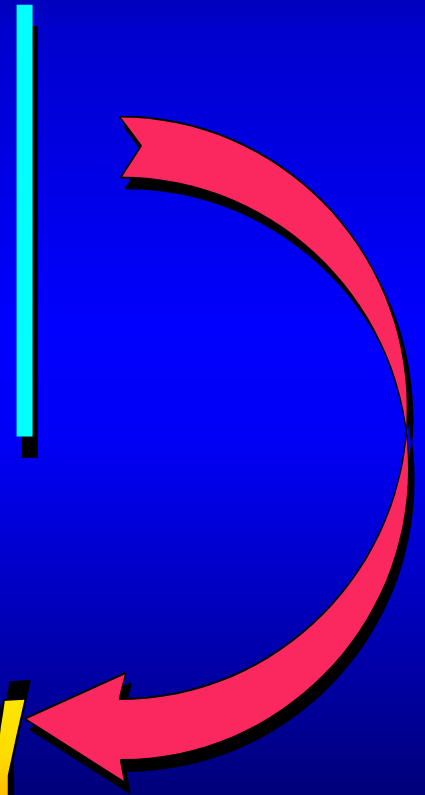


“It is the policy of the Corps of Engineers to develop, control, maintain, and conserve, the Nation’s water resources in accordance with the laws and policies established by Congress and the Administration.”

CIVIL WORKS MISSIONS:

- Navigation
- Flood Damage Reduction
- Ecosystem Restoration
- Watershed Planning
- Hurricane Storm Damage Reduction
- Water Supply (Municipal/Industrial)
- Hydropower
- Recreation

HIGH PRIORITY

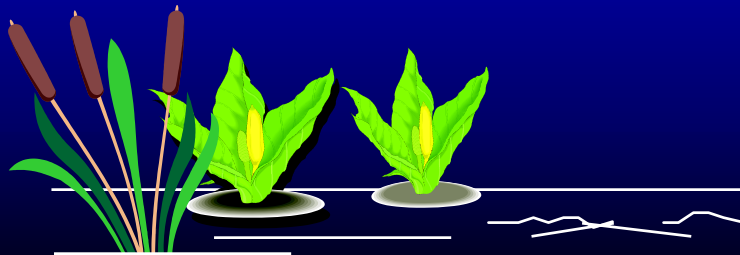


Distinguishing Features of CIVIL WORKS PROJECTS

- **RELATIONSHIP WITH CUSTOMER** is different
- **DECISIONMAKER** is in our chain of command:
Corps, Army, or Congress
- **COST SHARING** is required, so all funding and decisions involve a non-Federal sponsor
- **ENVIRONMENTAL ROLE** reflects an emphasis on planning as opposed to compliance – the NEPA process and planning process are the same

OTHER BUDGETED MISSIONS:

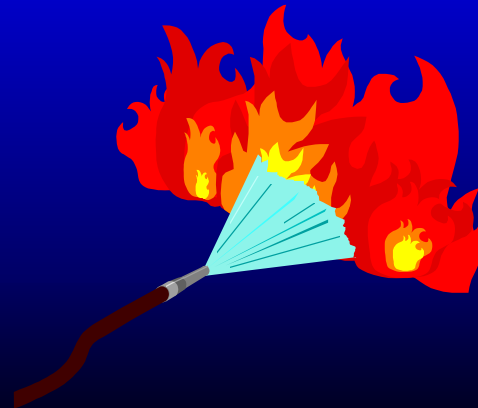
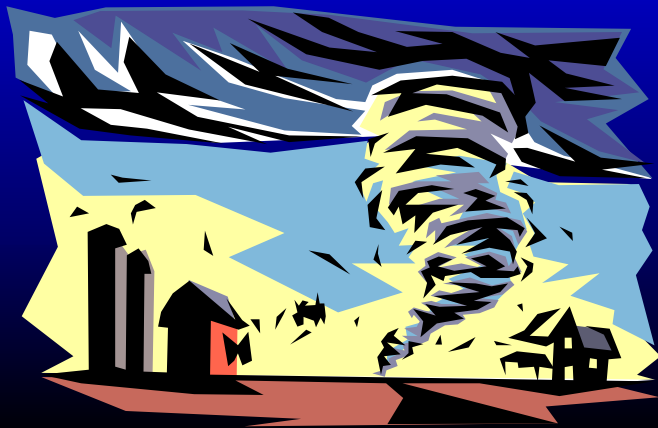
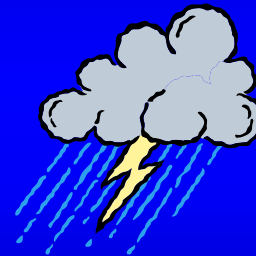
- Regulatory Mission
 - Review and authorize various activities and fill in the “waters of the United States”
- Environmental Stewardship
 - 18,000 sq. mi. of project lands in US
(1/2 DA total, 1/3 DOD total)



OTHER BUDGETED MISSIONS: (cont.'d)

■ Emergency Operations:

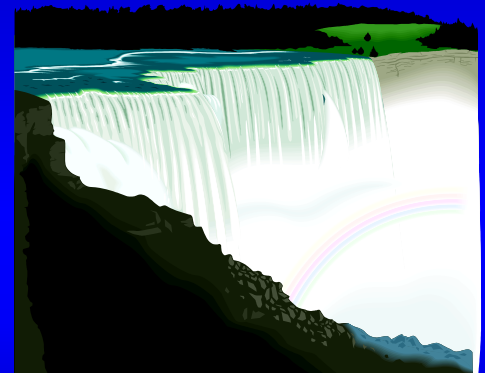
- Flood and Coastal Storm Emergency Act
[Public Law 84-99]
- FEMA Missions



CORPS MISSIONS: (cont.'d)

- Other budgeted items:

- Recreation
- Water Supply
- Flood Plain Management Services
- Dam Safety
- Environmental Studies and Documentation
- Flood Preparedness and Warning Plans
- Public Involvement and Agency Coordination
- Support for Others



The Latest Civil Works

Mission: Ecosystem Restoration

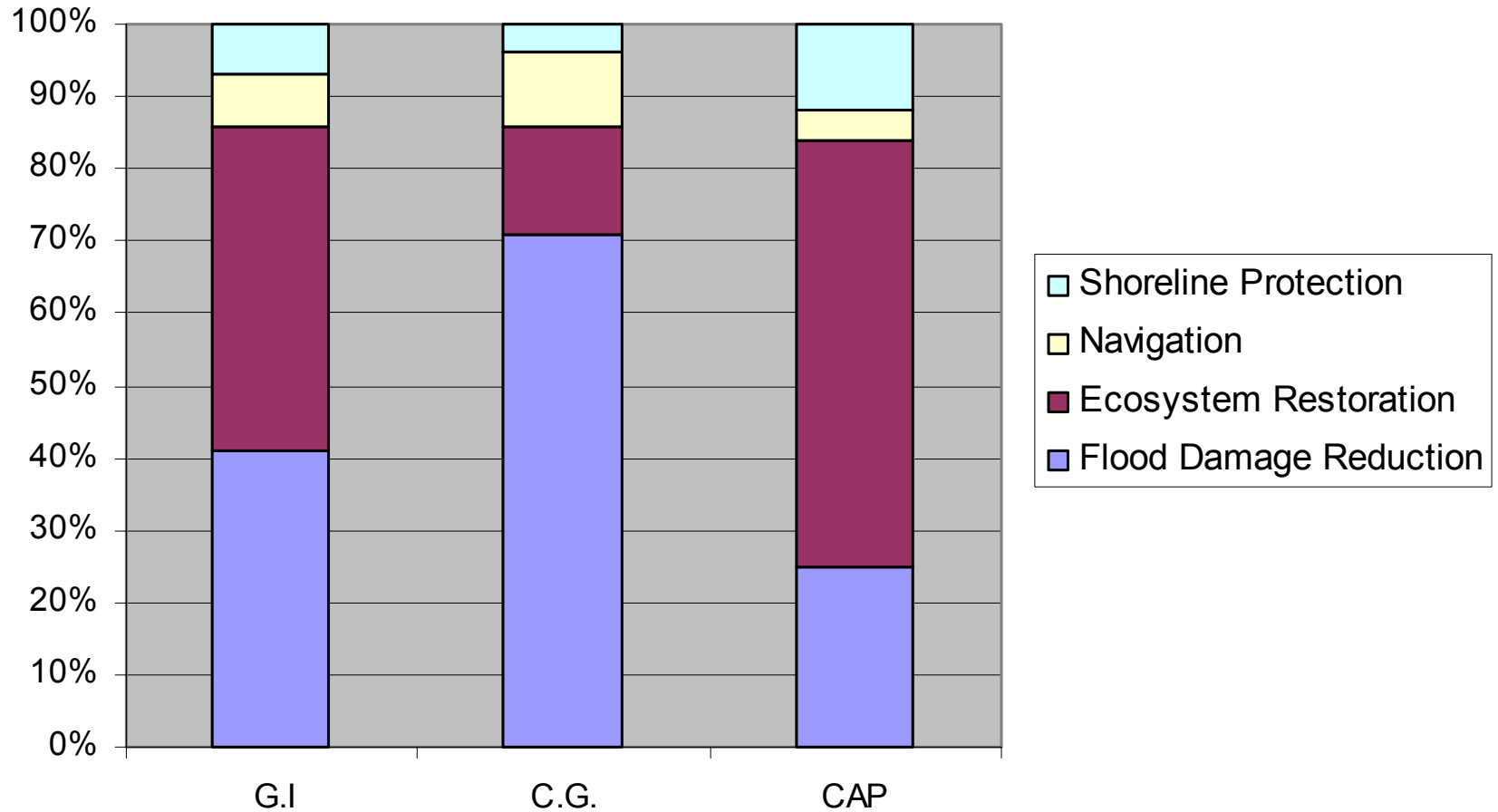
Ecosystem Restoration Objective

- Restore degraded significant ecosystem structure, function, and dynamic processes to a less degraded, more natural condition.
 - Improve or re-establish structural components and functions of natural areas
 - Mimic, as closely as possible, conditions, which would occur in the area in the absence of human changes to the landscape and hydrology

Evolution Towards Ecosystem Restoration Authorities and Policies

- No mitigation
- Mitigation incorporated into project plans
- Restoration linked to past Corps projects
- Restoration of other degraded water resources
- Regional programs
- Formulate comprehensive plans with restoration and economic purposes

Fiscal Year 2002
SPD Civil Works Program
(number of studies/projects)



Location of Environmental Expertise in Civil Works

- **Planning**
- **Regulatory Program**
- **Natural Resources Program**

Civil Works Environmental Expertise

Planning Environmental

- First environmental staffs were established here
- Often involved with other programs
- Primary focus is Corps studies & projects
- In SPD Civil Works environmental planning staff is something over 100

Civil Works Environmental Expertise

Regulatory Program

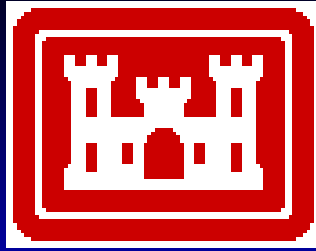
- Dedicated to this one program
- In district offices and 13 field offices
- Within SPD, staff of about 130 deals with over 10,000 actions per year

Civil Works Environmental Expertise

Natural Resources Program

- Dedicated to stewardship of project lands and waters.
- In SPD, over 90 Park Rangers, Ecologists and Outdoor Recreation Planners
- Oversee 18 operating projects and 130,000 acres (total surface acres of 71,000 acres)

More To Come Later



*US Army Corps
of Engineers
South Pacific Division*

Environmental Summit II Civil Works

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